Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/08/2022 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125267	0	1.56	125142	1.57
Blue	F	SSC	125000	123897	-1	3.19	124510	3.01
Blue	E	FITC	15860	15326	-4	2.31	374	13.79
Blue	D	PE	27718	27442	-1	1.76	639	10.09
Blue	B	PerCP-Cy5-5	38046	37234	-3	3.01	1018	14.78
Blue	A	PE-Cy7	26092	25613	-2	4.88	504	29.82
Red	C	APC	49104	48402	-2	2.72	1704	11.36
Red	A	APC-Cy7	28201	27348	-4	3.14	719	12.33
Violet	B	V450	9904	9422	-5	3.99	525	11.58
Violet	A	V500	39004	37809	-4	3.53	987	9.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24033	2.15	567	-2	N/A	N/A	Pass
Blue	F	SSC	55457	1.71	520	-8	N/A	N/A	Pass
Blue	E	FITC	58	55.60	489	-2	0.0465	116	Pass
Blue	D	PE	126	37.49	495	-1	0.4695	352	Pass
Blue	B	PerCP-Cy5-5	140	44.33	586	-3	0.0201	75	Pass
Blue	A	PE-Cy7	65	88.96	628	-4	0.0226	0	Pass
Red	C	APC	327	26.00	579	-2	0.0279	116	Pass
Red	A	APC-Cy7	97	42.62	551	-4	0.0063	1240	Pass
Violet	B	V450	85	48.84	466	8	0.0589	2164	Pass
Violet	A	V500	124	32.28	478	9	0.0239	1053	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.75	-31.43	1.00
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	15.53	13.90 - 20.86	N/A	N/A	29.85	30.07	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10141

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments